MATHEMATICS OF THE USSR-SBORNIK

Volume 74, Number 1, 1993

N. I. Dubrovin, *Noncommutative Prüfer rings* 1
M. M. Zarichnyĭ, *Absolute extensors and the geometry of multiplication of monads in the category of compacta* 9
V. V. Goryaĭnov, *Fractional iterates of functions analytic in the unit disk, with given fixed points* 29
A. N. Dranishnikov, *Extension of mappings into CW-complexes* 47
A. S. Loginov, *Interpolation of continuous functions by Bernstein polynomials on triangulable domains* 57
A. I. Subbotin, *On a property of the subdifferential* 63
V. M. Shiryaev, *Finite filtering semigroups* 79
I. P. Shestakov, *Prime Malcev superalgebras* 101
A. M. D'yachkov, *A description of the sets of Lebesgue points and points of summability of a Fourier series* 111
V. A. Medvedev, *On the representation of functions as a sum of several compositions* 119
V. S. Klimov and N. V. Senchakova, *On the relative rotation of multivalued potential vector fields* 131
V. P. Burichenko, *On a special loop, the Dickson form and the lattice connected with* $O_7(3)$ 145
I. Ya. Kolpakov-Miroshnichenko and Yu. G. Prokhorov, *Rationality of fields of invariants of some four-dimensional linear groups, and an equivariant construction related to the Segre cubic* 169
M. V. Borsuk, *Best-possible estimates of solutions of the Dirichlet problem for linear elliptic nondivergence equations of second order in a neighborhood of a conical point of the boundary* 185
V. A. Rodin, *The space* BMO *and strong means of Fourier-Walsh series* 203
L. A. Muraveĭ and A. V. Filinovskiĭ, *On a problem with nonlocal boundary condition for a parabolic equation* 219
N. A. Strelkov, *Projection-net widths and lattice packings* 251

Volume 74, Number 2, 1993

R. S. Varga, A. Ruttan, and A. Dzh. Karpenter [A. J. Carpenter], *Numerical results on best uniform rational approximation of $|x|$ on $[-1,+1]$* 271

L. A. Balashov, Yu. A. Dreĭzin, and M. S. Mel'nikov, *Approximations of the exponential function and relative closeness of stable signals* 291

I. F. Krasichkov-Ternovskiĭ, *Spectral synthesis in a complex domain for a differential operator with constant coefficients.* I: *A duality theorem* 309

A. K. Tsikh, *Conditions for absolute convergence of the Taylor coefficient series of a meromorphic function of two variables* 337

N. K. Rakhmetov, *On finite-dimensional Chebyshev subspaces of spaces with an integral metric* 361

G. G. Magaril-Il'yaev, *Mean dimension, widths, and optimal recovery of Sobolev classes of functions on the line* 381

Kh. M. Makhmudov, *On functions with similar values for minimal deviations from polynomials and rational functions* 405

A. B. Sukhov, *On algebraicity of complex analytic sets* 419

A. V. Babin, *Asymptotics as $|x| \to \infty$ of functions lying on an attractor of the two-dimensional Navier-Stokes system in an unbounded plane domain* 427

A. V. Lĕtchikov, *Asymptotic properties with probability* 1 *for one-dimensional random walks in a random environment* 455

A. A. Il'in, *The Euler equations with dissipation* 475

V. G. Zvyagin, *On the oriented degree of a certain class of perturbations of Fredholm mappings, and on bifurcation of solutions of a nonlinear boundary value problem with noncompact perturbations* 487

M. I. Vishik and M. Yu. Skvortsov, *Asymptotics of the elements of attractors corresponding to singularly perturbed parabolic equations* 513

V. A. Lyubishkin, *On the trace formulas of Gel'fand-Levitan and Kreĭn* 531

S. S. Ryshkov and R. M. Èrdal [Erdahl], *Dual systems of integer vectors (general questions and applications to the geometry of positive quadratic forms)* 541

A. O. Ivanov and A. A. Tuzhilin, *The Steiner problem in the plane or in plane minimal nets* 555

M. N. Pantyukhina, *Asymptotics of the coefficient of quasiconformality, and the boundary behavior of a mapping of a ball* 583

Index to Volume 74 593